



Product Specification

Product Name: CALCIUM HYDROXIDE LR

Alternate Name(s) Hydrated Lime, calcium hydrate, caustic lime, slaked lime

Description

Soft white crystalline powder; alkaline slightly bitter taste.

Properties

Chemical Formula: Ca(OH)_2

Molecular Weight: 74.10

Product Code: CL011

CAS No. 1305-62-0

General Information:

Slightly soluble in water. Loses water at 580°C. Soluble in glycerin, syrup, and acids. Insoluble in alcohol. Absorbs CO₂ from air.

Hazard and Safety Data

UN Group: None Allocated

Class: None Allocated

UN Number: None Allocated

Hazchem code: None Allocated

CS MSDS Code: 1CH1M

Poison schedule: Not Scheduled

Emergency

Procedure Guide No.: N/A

Quality Specification

Assay: 95.0% min.

Specific Properties and Impurities [Typical levels]:

Magnesium oxide ≤ 0.60%

Loss on drying ≤ 0.30%

Silicon dioxide (SiO₂) ≤ 0.12%

Aluminium oxides (Al₂O₃) ≤ 0.08%

Iron oxides (Fe₂O₃) ≤ 0.05%

Carbon dioxide (CO₂) ≤ 0.50%

Specific Gravity 2.34

pH of water solution (25°C) 12.4

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